

https://www.plexonline.com/ae5391ed-2348-42d4-9802-44d51ad59c8a/Plexus\_Control/Report\_View\_2.asp?Opener\_Session\_Key={AE5391ED-2348-42D4-9802-44D51AD59C8A}&Session\_Key={AE5391ED-2348-42D4-9802-44D51AD59C8A}

PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Aging Days	Past Due	Total	Supplier Name
		12			MT-NYLON 6-R1.000-B	Nylon 6 Black Round Bar 1.000" Dia.				2		2		S068053	Stock	5/3/2018	\$ 15.43 / ft	0		\$30.86	McMaster-Carr Supply Co.
		13			SWA3-700	Ball Bearing				200		200		S068054	Stock	5/3/2018	\$ 0.11 / Ea	0		\$21.12	McMaster-Carr Supply Co.
		14			C2-20-21	Cotter Pin				100		100		S068055	Stock	5/3/2018	\$ 0.25 / Ea	0		\$24.75	McMaster-Carr Supply Co.
		15			C45-3-4-1	Retaining Ring						100		S068056	Stock	5/3/2018	\$ 0.13 / Ea	0		\$13.00	McMaster-Carr Supply Co.
		16			76475A92	Low-Friction Surface-Protection Tape w/Teflon PTFE. Extra-Tough. 2" Thick x 3' Long				3		3		S068057	Stock	5/3/2018	\$ 22.60 / ft	0		\$67.81	McMaster-Carr Supply Co.
		17			6305A12	Teflon Sheet receive ea				15		15		S068058	Stock	5/3/2018	\$ 1.00 / ft	0		\$14.97	McMaster-Carr Supply Co.
		18			6534K46	Hose Fitting				8		8		S068059	Stock	5/3/2018	\$ 1.15 / Ea	0		\$9.20	McMaster-Carr Supply Co.
		19			8098K24	Heat Shrink Tubing				3		5		S068060	Stock	5/3/2018	\$ 3.73 / ft	0		\$18.63	McMaster-Carr Supply Co.
		20			90145A591	Location Pin				10		10		S068061	Stock	5/3/2018	\$ 2.07 / Ea	0		\$20.68	McMaster-Carr Supply Co.
<b>Total:</b>												<b>931</b>								<b>\$487.96</b>	



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

## PURCHASE ORDER PO039751

**Supplier:** MCM001-VU  
McMaster-Carr Supply Co,  
P.O. Box 7690  
Chicago, IL 60680-7690 USA  
Phone: 330 995 5500  
Fax: 330 995 9600

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO039751

**PO Date:** 5/3/18

**Due Date:** 5/3/18

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
Phone: clavoie@dartaero.com

**Via:** Ground

**Pymt Terms:** 2% 10 Net 30

**Freight Terms:**

**Special Comments:**

**E-MAILED**  
APR 30 2018

### Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	90985A113	1/pk	Knob Grip	Firmed	5/3/18	2 Ea	0 Ea	2 Ea	\$20.45/Ea	\$40.90
2	93190A373	1/pk	Hex Bolt 316 Stainless Steel Hex Head Screw 1/pack	Firmed	5/3/18	10 Ea	0 Ea	10 Ea	\$3.84/Ea	\$38.40
3	9574K68		Shim receive sf	Firmed	5/3/18	1 sf	0 sf	1 sf	\$37.09/sf	\$37.09
4	C10-10-2	98296A930 100/PK	Actuator Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.1145/pcs	\$11.45
5	C10-12-1	92383A695 100/PK	Spring Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.0869/pcs	\$8.69
6	C10-4-10	90692A729 100/PK	Spring Anchor Spring Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.1126/pcs	\$11.26
7	C10-4-6	9654K115 12/PK	Lock Spring	Firmed	5/3/18	24 pcs	0 pcs	24 pcs	\$0.856666/pcs	\$20.56
8	C10-4-7	98381A511 5/PK	Spring Retaining Pin	Firmed	5/3/18	15 pcs	0 pcs	15 pcs	\$1.856/pcs	\$27.84
9	C10-7	98381A554 5/PK	Locating Pin	Firmed	5/3/18	30 pcs	0 pcs	30 pcs	\$1.60/pcs	\$48.00
10	C2-10-1	92373A182 100/PK	Lock Spring Pin	Firmed	5/3/18	100 pcs	0 pcs	100 pcs	\$0.0667/pcs	\$6.67
11	C45-15-13	6381K171 1/pk	Sleeve	Firmed	5/3/18	6 Ea	0 Ea	6 Ea	\$2.68/Ea	\$16.08
12	MT-NYLON 6-R1.000-B	2889K21 2 ft lenght	Nylon 6 Black Round Bar 1.000" Dia.	Firmed	5/3/18	2 ft	0 ft	2 ft	\$15.43/ft	\$30.86
13	SWA3-700	9529K15 100/per pk	Ball Bearing	Firmed	5/3/18	200 Ea	0 Ea	200 Ea	\$0.1056/Ea	\$21.12
14	C2-20-21	98338A150 100/PK	Cotter Pin	Firmed	5/3/18	100 Ea	0 Ea	100 Ea	\$0.2475/Ea	\$24.75
15	C45-3-4-1	98410A110 100/pk	Retaining Ring	Firmed	5/3/18	100 Ea	0 Ea	100 Ea	\$0.13/Ea	\$13.00

Plex 4/30/18 2:40 PM dart.lavoie.chantal

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
16	76475A92		Low-Friction Surface-Protection Tape w/Teflon PTFE, Extra-Tough, 2" Wide x 0.022" Thick x 3' Long receive ea	Firmed	5/3/18	3 ft	0 ft	3 ft	\$22.60333/ft	\$67.81
17	6305A12	15 FT PER ROLL	Teflon Sheet receive ea	Firmed	5/3/18	15 ft	0 ft	15 ft	\$0.998/ft	\$14.97
18	6534K46		Hose Fitting	Firmed	5/3/18	8 Ea	0 Ea	8 Ea	\$1.15/Ea	\$9.20
19	8098K24	5/pk @ 1/2" pcs	Heat Shrink Tubing	Firmed	5/3/18	15 ft	0 ft	3 ft	\$3.72666/ft	\$11.18
<b>Line Item Note</b> 1 pk of 5 pcs = to 3 ft										
20	90145A591	5/pk	Location Pin	Firmed	5/3/18	10 Ea	0 Ea	10 Ea	\$2.068/Ea	\$20.68
<b>Grand Total:</b>										<b>\$480.51</b>
<b>Order Notes</b> <i>reid A118/05/03</i> Procurement Quality Clauses A005 RIGHT OF ENTRY A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS  A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM  A049 SUPPLIER AWARENESS  Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit <a href="http://www.dartaerospace.com">www.dartaerospace.com</a> for further explanation.										

Plex 4/30/18 2:40 PM dart.lavoie.chantal



200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO039751**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**2892103-02**

Page 1 of 2

04/30/2018

Line	Product	Ordered	Shipped
1	<b>90985A113</b> Knob-Grip Push-Button Quick-Release Pin, 1/4" Diameter, 1-1/2" Usable Length	2 Each	2
2	<b>93190A373</b> Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 3/8"-24 Thread Size, 3" Long, Fully Threaded, Packs of 1	10 Packs	10
3	<b>9574K68</b> Aluminum Peel-Away Shim Stock, 12" Wide x 12" Long x 0.063" Thick, 21 Layers	1 Each	1
4	<b>98296A930</b> Steel Slotted Spring Pins, 1/4" Diameter, 1-1/2" Long, Packs of 100	1 Pack	1
5	<b>92383A695</b> 400 Series Stainless Steel Slotted Spring Pin, 1/8" Diameter, 5/8" Long, Packs of 100	1 Pack	1
6	<b>90692A729</b> Zinc-Plated Steel Slotted Spring Pins, 3/16" Diameter, 1-3/4" Long, Packs of 100	1 Pack	1
7	<b>9654K115</b> Steel Extension Spring, Loop Ends, Zinc-Plated, Spring-Tempered, 2.5" Long, 0.25" OD, Packs of 12	2 Packs	2
8	<b>98381A511</b> Dowel Pin, Alloy Steel, 3/16" Diameter, 1-1/8" Long, Packs of 5	3 Packs	3
9	<b>98381A554</b> Dowel Pin, Alloy Steel, 1/4" Diameter, 3" Long, Packs of 5	6 Packs	6
10	<b>92373A182</b> 18-8 Stainless Steel Slotted Spring Pin, 1/8" Diameter, 7/8" Long, Packs of 100	1 Pack	1
11	<b>6381K171</b> Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 3/4" Shaft Diameter and 7/8" Housing ID, 1" Long	6 Each	6
12	<b>2889K212</b> MDS-Filled Cast Nylon Rod, 1" Diameter, 2 Feet Long	1 Each	1
13	<b>9529K15</b> Hardened 440C Stainless Steel Ball, 1/4" Diameter, Packs of 100	2 Packs	2
14	<b>98338A150</b> Zinc-Plated Steel Cotter Pins, 3/32" Diameter, 1-1/2" Long, Packs of 100	1 Pack	1
16	<b>76475A92</b> Low-Friction Surface-Protection Tape with Teflon PTFE, Extra-Tough, 2" Wide x 0.022" Thick x 3' Long	1 Each	1
17	<b>6305A12</b> Surface-Protection Tape Made with Teflon PTFE, Ultra-Low-Friction, 1" Wide x 5 Yards Long	1 Each	1
18	<b>6534K46</b> Industrial-Shape Hose Coupling, Size 1/4, Zinc-Plated Steel Plug, 1/4 NPTF Male End	8 Each	8
19	<b>8098K24</b> Food-Grade Heat-Shrink Tubing, 0.38" ID Before Shrinking, 1/2 Feet Long, Black, Packs of 5, Our 2 Packs = 5 Feet	2 Packs	2
20	<b>90145A591</b> 18-8 Stainless Steel Dowel Pin, 5/16" Diameter, 2" Long, Packs of 5	2 Packs	2

# Packing List

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO039751**  
  
Order Placed By  
**Chantal Lavoie**  
  
McMaster-Carr Number  
**2892103-02**

Page 2 of 2  
04/30/2018

Shipped separately from our Chicago warehouse on 04/30

15 **98410A110** External Retaining Ring, Beryllium Copper, for 3/16" OD

**1**  
**Pack** **1**

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO039751**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**2892103-01**

Page 1 of 2

04/30/2018

Line	Product	Ordered	Shipped
15	<b>98410A110</b> External Retaining Ring, Beryllium Copper, for 3/16" OD, Packs of 100	1 Pack	1
Shipped separately from our Cleveland warehouse on 04/30			
1	<b>90985A113</b> Knob-Grip Push-Button Quick-Release Pin, 1/4" Diameter, 1-1/2" Usable Length	2 Each	2
2	<b>93190A373</b> Super-Corrosion-Resistant 316 Stainless Steel Hex Head Screw, 3/8"-24 Thread Size, 3" Long, Fully Threaded	10 Packs	10
3	<b>9574K68</b> Aluminum Peel-Away Shim Stock, 12" Wide x 12" Long x 0.063" Thick, 21 Layers	1 Each	1
4	<b>98296A930</b> Steel Slotted Spring Pins, 1/4" Diameter, 1-1/2" Long	1 Pack	1
5	<b>92383A695</b> 400 Series Stainless Steel Slotted Spring Pin, 1/8" Diameter, 5/8" Long	1 Pack	1
6	<b>90692A729</b> Zinc-Plated Steel Slotted Spring Pins, 3/16" Diameter, 1-3/4" Long	1 Pack	1
7	<b>9654K115</b> Steel Extension Spring, Loop Ends, Zinc-Plated, Spring-Tempered, 2.5" Long, 0.25" OD	2 Packs	2
8	<b>98381A511</b> Dowel Pin, Alloy Steel, 3/16" Diameter, 1-1/8" Long	3 Packs	3
9	<b>98381A554</b> Dowel Pin, Alloy Steel, 1/4" Diameter, 3" Long	6 Packs	6
10	<b>92373A182</b> 18-8 Stainless Steel Slotted Spring Pin, 1/8" Diameter, 7/8" Long	1 Pack	1
11	<b>6381K171</b> Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 3/4" Shaft Diameter and 7/8" Housing ID, 1" Long	6 Each	6
12	<b>2889K212</b> MDS-Filled Cast Nylon Rod, 1" Diameter, 2 Feet Long	1 Each	1

# Packing List

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada  
Attention: Chantal Lavoie

Purchase Order  
**PO039751**

Order Placed By  
**Chantal Lavoie**

McMaster-Carr Number  
**2892103-01**

Page 2 of 2

04/30/2018

Line	Description	Ordered	Shipped
13	<b>9529K15</b> Hardened 440C Stainless Steel Ball, 1/4" Diameter	<b>2</b> <b>Packs</b>	<b>2</b>
14	<b>98338A150</b> Zinc-Plated Steel Cotter Pins, 3/32" Diameter, 1-1/2" Long	<b>1</b> <b>Pack</b>	<b>1</b>
16	<b>76475A92</b> Low-Friction Surface-Protection Tape with Teflon PTFE, Extra-Tough, 2" Wide x 0.022" Thick x 3' Long	<b>1</b> <b>Each</b>	<b>1</b>
17	<b>6305A12</b> Surface-Protection Tape Made with Teflon PTFE, Ultra-Low-Friction, 1" Wide x 5 Yards Long	<b>1</b> <b>Each</b>	<b>1</b>
18	<b>6534K46</b> Industrial-Shape Hose Coupling, Size 1/4, Zinc-Plated Steel Plug, 1/4 NPTF Male End	<b>8</b> <b>Each</b>	<b>8</b>
19	<b>8098K24</b> Food-Grade Heat-Shrink Tubing, 0.38" ID Before Shrinking, 1/2 Feet Long, Black	<b>2</b> <b>Packs</b>	<b>2</b>
20	<b>90145A591</b> 18-8 Stainless Steel Dowel Pin, 5/16" Diameter, 2" Long	<b>2</b> <b>Packs</b>	<b>2</b>



# MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-Nylon6-R1.000  
 DATE: MAY 03 2018

PO / BATCH NO: 039751/8068053

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 2'  
 QUANTITY INSPECTED: 2'  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1.000  
 THICKNESS RECEIVED: 1.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORROSION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Aston 03989</u>
CORRECT THICKNESS	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
PHOTO REQUIRED	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	<u>Heat # Po # 039751 Part # 2889K212 Same as 2889K21</u>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="radio"/> Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 11</u> DATE: <u>9-89 MAY 03 2018</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL :

NYLON 6 ROUND BAR

SPECIFICATION:

ASTM D5989

PART NUMBER:

MT-NYLON 6-R[D.DDD]-C

WHERE "D.DDD" = DIAMETER IN INCHES

WHERE C = COLOR [W= WHITE] / [B= BLACK]

EG. 5/8" ROUND BAR = MT-NYLON 6-R0.625-W

REV.	DESCRIPTION	DATE	BY	APPROVED
A	NEW ISSUE	17.08.23	VM	WM

<b>DART</b> AEROSPACE		Markham, Ontario, Canada	
TITLE: NYLON 6 ROUND BAR			
DWG NO.		REV	
MT-NYLON 6-R		A	
DESIGN BY:	VM 8/9/2017	XXX	FRACTIONS 2/16
DRAWN BY:	VM 08/31/2017	XX	1/8
CHECKED:	SAC 08/31/2017	X	1
DATE:	08/31/2017	SURFACES = 19	
DATE:	08/31/2017	1. DIMENSIONS ARE IN INCHES	
DATE:	08/31/2017	2. INTERPRET DIM AND TOL PER	
DATE:	08/31/2017	3. DIMENSIONAL LIMITS APPLY	
DATE:	08/31/2017	4. AFTER PLATING	
COPYRIGHT © 2017 BY DART AEROSPACE LTD			
THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE TITLE ONLY. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.			

EN 17-649

- Impact Strength 0.7 ft.-lbs./in. (Poor)
- For Use Outdoors: Yes
- Specifications Met: ASTM D5989

The addition of MDS gives these cast nylon 6 rods a self-lubricating surface that's more slippery and wear resistant than standard cast nylon. Use them to fabricate pulleys, screws, bushings, bearings. They're lightweight, stiff, and easier to machine than other types of nylon. They are also an excellent insulator.

Dia.	Tolerance Rating	Lengths, ft.		Per Ft.
1"	Oversized	1, 2	<b>2889K21</b>	\$15.43

Product Detail

MDS-Filled Cast Nylon  
Rod, 1" Diameter

Length, ft.

- 1
- 2

☐ Each

ADD TO ORDER

1 1/2"	Oversized	1, 2	2889K31	17.90
2"	Oversized	1, 2	2889K116	27.50
2 1/2"	Oversized	1, 2	2889K128	40.80
3"	Oversized	1, 2	2889K136	54.93
3 1/2"	Oversized	1, 2	2889K148	71.23
4"	Oversized	1, 2	2889K155	82.20
4 1/2"	Oversized	1	2889K161	95.09
5"	Oversized	1	2889K171	116.23

3716

## MDS-Filled Cast Nylon Sheets and Bars

### Sheets

